

Application No.: 10/673,265

Docket No.: 2336-206

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:**1-7. (canceled)**

8. (currently amended) A wireless Local Area Network (LAN) antenna, comprising:
a radiation electrode having a predetermined area for defining at least one
transmission/reception frequency band of the antenna;
a matching electrode having at least one open stub; and
a feeding electrode having a feeding point formed at an arbitrary position of the feeding
electrode to receive a current;

wherein

said feeding electrode has a first end connected to the radiation electrode and a second end
connected to the matching electrode; and

~~The wireless LAN antenna according to claim 1, wherein the matching electrode has two~~
~~inverted or reversed L-shaped open stubs which are connected, in parallel, to the feeding electrode.~~

9. (canceled)

10. (currently amended) A wireless Local Area Network (LAN) antenna, comprising:
a hexahedral dielectric block;
a radiation electrode formed on a top surface of the dielectric block to have a predetermined
area and to define determine at least one transmission/reception frequency band of the antenna;

Application No.: 10/673,265

Docket No.: 2336-206

a matching electrode formed on a front surface of the dielectric block in an inverted or reversed L shape; and

a feeding electrode formed on back and bottom surfaces of the dielectric block, wherein the feeding electrode has and provided with a feeding point on the feeding electrode formed on the bottom surface of the dielectric block, [[with]] a first end connected to the radiation electrode, and a second end connected to the matching electrode.

11. (currently amended) A wireless Local Area Network (LAN) card, comprising:
a printed circuit board for mounting a plurality of semiconductor chips and devices to process RF LAN signals; and

first and second antennas each comprising designed so that

a radiation electrode [[with]] having a predetermined area for defining determining at least one transmission/reception frequency band of [[each]] said antenna, said radiation electrode being [[is]] printed on a top surface of a hexahedral dielectric block,

a matching electrode having at least one open stub [[is]] and being printed on a front surface of the dielectric block, and

a feeding electrode having a first end connected to the radiation electrode and a second end connected to the matching electrode, said feeding electrode being [[is]] printed on back and bottom surfaces of the dielectric block; [[,]]

wherein the first and second antennas [[being]] are mounted on the printed circuit board to be perpendicularly arranged; and

wherein impedance matching of the first and second antennas is adjustable can be adjusted by adjusting respective [[the]] feeding points on the feeding electrodes of the antennas when the first and second antennas are mounted on the printed circuit board.

12. (canceled)